



MINING DISTRICTS IN NEW MEXICO

Virginia T. McLemore, Gretchen K. Hoffman, Mark Mansell, Glen R. Jones,
Christian B. Krueger, and Maureen Wilks

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New Mexico Institute of Mining and Technology, Socorro, NM 87801

ginger@gis.nmt.edu

INTRODUCTION

The first mining claim in New Mexico was established by Pedro de Abalos in the Fra Cristabal Mountains, Sierra County on March 26, 1685, although mining by the Indians and Spanish occurred before 1685. Since then, thousands of mines and prospects have been located and numerous names given to the mining districts (File and Northrop, 1966). Minerals have been and still are an important contribution to the economy of New Mexico. More than \$30 billion worth of minerals have been produced from New Mexico since the early 1800s (excluding aggregate and common dimension stone). Total estimated production by commodity for New Mexico is in Table 1.

For the past 75 years, the New Mexico Bureau of Geology and Mineral Resources (NMBGMR) has collected information on mining districts in the state of New Mexico. This information, mostly on paper, is currently being transformed to digital format. Once this information has been organized into a relational database, a geographical information system (GIS) will be used for storing, modifying, querying, analyzing, and displaying information on mining districts within the geographic space of New Mexico. This report is the first part of that endeavor and includes information from the New Mexico Mines Database on the mining districts in the state, including coal fields and many industrial minerals. The ARC9 files, an ACCESS database, an Adobe Acrobat version of the mining district map, and this report are included. If any errors are found please send the corrections to the senior author.

The New Mexico Mines Database and Mining District Map of New Mexico are intended to provide the best data available on mines and districts in the state. New information is continuously becoming available and should be incorporated into the

database as soon as possible. However, funding for this project has and will continue to fluctuate, which affects the completeness and updating of the database.

One of the concerns about releasing these data is that the general public will have ready access to locations of inactive mines and mining districts. **Recreation in or around inactive mine sites is extremely dangerous, and can result in serious injury or death.** According to MSHA statistics, 106 fatalities involving non-employees have occurred since 1999 at inactive mines throughout the U.S., including 28 through September 2002. **Stay out and stay alive!**

PROCEDURE AND SOURCE OF DATA

Published and unpublished data were inventoried and compiled, including existing mines and mills within New Mexico, a literature search, and compilation of unpublished file data. Mineralized areas were examined and sampled in 1980 through 2005 by NMBGMR staff. Information on the individual mines are included in the New Mexico Mines Database (McLemore et al., 2003), which will be available in CD-ROM and on the NMBGMR web site sometime in the future. This report only includes the district portion of the database. The mining districts database consists of a finite collection of tables, which are linked to one another through use of unique alphanumeric mining district identification (District id). This alphanumeric mining district id termed “key” allows for information to be queried, entered without redundancy, and reported as standard output.

Mining and production records are generally poor, particularly for the earliest times and many early records are conflicting. These data are the best data available and were obtained from published and unpublished sources (New Mexico Bureau of Geology

and Mineral Resources, NMBGMR file data). However, mining district data are subject to change as new data are obtained, therefore updates to the database are expected.

DEFINITION OF A MINING DISTRICT

A mining district as used in this report, is a group of mines and/or mineral deposits that occur in a geographically defined area (such as a mining district or coal field) that locally are defined by geologic criteria (distribution of deposits, mineralogy, faults, lithology, stratigraphic horizons, etc.) and is defined by File and Northrop (1966), North and McLemore (1986), McLemore and Chenoweth (1989), Hoffman (1996), and McLemore (2001). The names of mining districts as established by File and Northrop (1966) are used wherever possible, but many districts have been combined and new districts have been added. There are 269 mining districts in New Mexico in 27 counties shown on the map (Appendix 1; not including aggregate or common dimension stone producers). Districts producing greater than \$20 million worth of cumulative production of base- and precious-metals, and iron include: Mogollon, Catron County; Bayard, Burro Mountains (Tyrone), Fierro-Hanover, Santa Rita (Chino), Piños Altos, Grant County; Lordsburg, Hidalgo County; Willow Creek (Pecos), San Miguel County; Chloride, Sierra County; and Magdalena, Socorro County (in actual cumulative dollars at time of production). Coal production from McKinley County (Gallup coal field), San Juan County (Fruitland and Navajo fields), and Colfax County (Raton field) make up the majority of the state's total coal production. Most of the uranium production has come from Ambrosia Lake (\$4 billion), Laguna (\$2 billion), Churchrock-Crownpoint (\$400 million), and Smith Lake (\$300 million) in the Grants uranium district. Districts with primarily industrial minerals that have significant production include Carlsbad potash,

Eddy and Lea Counties (greater than \$5 billion); Tijeras limestone and cement, Bernalillo County; Brickland clay (bricks), Aden-Black Mountain scoria, Doña Ana County (greater than \$10 million); Zuni Mountains fluorite, Cibola County (less than \$8 million); Jemez pumice, Sandoval, Santa Fe, and Rio Arriba Counties (>\$46 million); White Mesa gypsum, Sandoval County (greater than \$10 million); No Aqua perlite, Taos County; and Mesa Aparejo travertine, Valencia County (greater than \$5 million).

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APPENDIX 1—Mining districts of New Mexico. Names of districts are after File and Northrop (1966) wherever practical, but many districts have been combined and added. Commodity symbols are defined in Appendix 2. Estimated value of production is in original cumulative dollars and includes all commodities in the district. Production data modified from Lindgren et al. (1910), Anderson (1957), U.S. Geological Survey and U.S. Bureau of Mines Mineral Yearbooks (1900-1993), New Mexico State Inspector of Mines

Annual Reports, and Energy, Minerals and Natural Resources Department (1986-2005).
 Districts may extend into adjacent counties or states or into Mexico.

DIST ID	District (Aliases)	Year of Discovery	Years of Production	Commodities Produced (Present)	Estimated Cumulative Value of Production (Original \$)	Perceived Age of Deposits	Type of Deposit
<i>Bernalillo County</i>							
DIS001	Albuquerque area	1900	1900-present	Brick, clay, scoria, aggregate	1,000,000	—	Aggregate, clay, scoria
DIS002	Coyote Canyon (Soda Springs)	1900	1910-1916	F, Au, Ag, Pb (Ba, Cu)	4,000-12,000	—	RGR, Precambrian veins/replacements, placer gold
DIS003	Rio Puerco coal field	1901	1937-1944	coal	139,555	Cretaceous	Coal, sedimentary
DIS004	Tijeras Canyon (Carmuel, Manzanita Mtns, Star Canyon)	1880	1880-1942 (metals) 1959-present (cement)	limestone, cement, clay, Cu, Au, Ag, Pb, F (Zn, U, Ba, Ni)	>4,000,000,000	<1720 Ma, Recent	RGR, sedimentary-copper, Precambrian veins/replacements, VMS, placer gold, volcanic-epithermal, pegmatite, sedimentary (cement), volcanogenic uranium
DIS005	Tijeras coal field	1907	1907-1947	coal	1,348	Cretaceous	Coal, sedimentary
<i>Catron County</i>							
DIS262	Datil Mts	1913	1940	coal	1000	Cretaceous	Coal, sedimentary
DIS006	Cimarron Mesa-Red Hill		2000	scoria	>10,000 (?)	Quaternary	Scoria, aggregate
DIS007	Mogollon (Coney, Alma, Glenwood)	1875	1875-1969	Cu, Pb, Au, Ag, U, Zn (Ba, Mn, F, Mo)	>25,000,000	Minimum 16.7 Ma	volcanic-epithermal
DIS008	Red Basin-Pietown	1954	1954-1957	U, V	13,000	Cretaceous-Eocene	sandstone uranium, volcanogenic uranium
DIS009	Salt Lake coal field	1980	1987	coal	100,000	Cretaceous	Coal, sedimentary
DIS010	Wilcox (Seventy-four, Sactao Mesa, Tellurium) (Grant County)	1879	1941	Au, Ag, Cu, F, Te, Mn (Pb, Zn, Mo, Cd)	100,000-500,000	Oligocene-Miocene	volcanic-epithermal, fluorite veins
DIS011	Zuni salt lake	1500	1500s-1980s	salt	<1,000	Recent	Salt
<i>Cibola County</i>							
DIS012	Bernabe Montaño (Grants) ³	1970s	none	(U, V, Mo, Ti)	0	Jurassic	sandstone uranium, beach-placer sandstone
DIS013	East Grants Ridge	1940	1946-2000	Perlite, pumice (gem)	431,000,000	mid-Tertiary	Pumice, perlite
DIS014	Laguna (Jackpile-Paguate, Grants) ³	1951	1951-1983	U, V (Mo)	2,000,000,000	Jurassic	sandstone uranium, limestone uranium, uraniferous collapse-breccia pipe
DIS015	Marquez (Grants) ³	1970s	1979-1980	U, V	714,000	Jurassic	sandstone uranium
DIS016	Mount Taylor coal field	1936	1952-1953	coal	69,948	Cretaceous	Coal, sedimentary
DIS017	Zuni Mtns (Copper Hill, Cooperton,	Late 1800s	1905-1965 scoria-present	Cu, Au, Ag, F, Pb, scoria, mica (U, V, Ba, Fe,	1,700,000-8,400,000	Multiple ages	sedimentary-copper, Precambrian veins/replacements, RGR,

	Montezuma, New Cornwall)			REE)			REE-Th-U veins, mica, scoria
<i>Colfax County</i>							
DIS018	Cimmaroncito (Bonito, Urraca Creek)	1890	1896-1940	Au, Ag, Cu (Bi, Pb)	<5,000	29.1 Ma, Recent	GPM, placer gold
DIS019	Elizabethtown- Baldy (Ute Creek, Moreno, Ponil, Aztec, Cimarron, Wiloc Creek, Copper Park, Eagle Nest, Hematite, Iron Mtn)	1866	1866-1968	Au, Ag, Cu, Pb, W (Mo, Bi, Te, U, Ni)	10,000,000	29.1 Ma, Recent	GPM, placer gold
DIS020	Laughlin Peak (Chico Hills)	1950s	none	(Au, Ag, REE, U, Th, Nb, Fe)	0	32.3-22 Ma	GPM, carbonatite, volcanogenic uranium
DIS021	Raton coal field	1820	1898-2002	coal	954,470,032	Cretaceous- Tertiary	Coal, sedimentary
DIS022	Springer	1890	1890-1899	Limestone (cement)	1,000		sedimentary
<i>Doña Ana County</i>							
DIS023	Aden	1900	1950-present	Scoria, basalt	6,500,000	Recent	Scoria, igneous
DIS024	Bear Canyon (Stevens, San Agustin)	1883	early 1900s	Cu, Ag, Pb, Ba (F, V, Mo)	<5,000	—	RGR
DIS025	Black Mtn ¹ (Kent, Organ, Gold Camp)	1883	1883-1900s	Cu, Au, Ag, Pb, F (Ba)	33,000-78,000	—	RGR
DIS026	Brickland (Eagle, Cerro de Cristo Rey)	1900	1900s- present	Limestone, brick clay, silica	<10,000,000		Clay, sedimentary
DIS027	Doña Ana Mtns	1900	early 1900s	Cu, Au, Ag (Mn)	<5,000	—	volcanic-epithermal, carbonate-hosted Pb- Zn, Cu-Pb-Zn skarn
DIS028	Iron Hill (Robledo Mtns)	1930s	?	Fe (gypsum, limestone)	5,810,000	—	sedimentary iron, carbonate-hosted Pb- Zn , sedimentary
DIS029	Northern Franklin Mtns	1914	1914	Ag, Pb, jarosite, limestone (F, Ba, clay)	<1,000	5.0-3.2 Ma	RGR, sedimentary
DIS030	Organ Mtns (Mineral Hill, Bishops Cap, Organ, Gold Camp, Modoc, South Canyon, Texas)	1830s (perhaps as early as 1797)	1849-1961	Cu, Au, Ag, Pb, Zn, U, F, Ba, Bi (Mo, Te, W, Sn, Mn, Fe)	4,000,000	34.5 Ma, 5.1-5.4 Ma	carbonate-hosted Pb- Zn, carbonate-hosted Mn replacement, Cu- Pb-Zn skarn, polymetallic veins, porphyry copper- molybdenum, Great Plains margin, RGR, fluorite veins, pegmatite
DIS031	Potrillo Mtns	1883	?	Cu, Au, Ag, Pb (Ba, F)	<1,000	—	RGR
DIS032	Rincon (Hatch, Derry, Woolfer Canyon, Palm Park)	1918	1918-1953 travertine- 2002	Mn, Ba, U, V, travertine, bentonite (F, W, Cu, Pb, Zn, Ag, Th)	12,000-100,000	—	epithermal manganese, RGR, Cu-Ag (U) veins
DIS033	San Andrecito- Hembrillo (Membrillo, Capital Peak)	1890s	1914, 1915, 1918,1920- 1930	Cu, Ag, Pb, talc (Ba, F, Fe, W)	23,000	<1609 Ma and younger	RGR, Precambrian veins/replacements, talc, sedimentary iron
DIS034	San Andres Canyon (Capital Peak)	1900	1900-1904	Cu, Pb (Ag, Au, Ba, F)	<1,000	—	RGR
DIS035	Tonuco Mtn	1900	1919-1935	Ba, F, Mn (U,	77,200-386,000	—	fluorite veins,

	(San Diego Mtn)			Fe, travertine)				carbonate-hosted Mn replacement, RGR, travertine
DIS036	Tortugas Mtn	1900	1919-1943	F, Mn, Ba (travertine)	200,000-1,000,000	—	RGR, carbonate-hosted Mn replacement, travertine	
<i>Eddy County</i>								
DIS037	Calumet (extends into Texas)	1900s	none	(Cu, Pb, Zn, Ag, Au)	—	—	Mississippi-Valley type, sedimentary copper	
DIS038	Carlsbad potash (Lea County)	1925	1931-present	Potash, salt (halite, clay)	7,000,000,000	Permian	Potash, salt	
DIS039	Guadalupe Mtns (Two Ladies)	1900s	1900s	Pb (Zn, Ag)	<1,000	—	Mississippi-Valley type	
DIS040	Lone Eagle (Golden Eagle, Lucky Strike, Great Eagle, Ammon)	1905	1905-1956	Cu, Ag (U, Au)	8,000	Permian	sedimentary-copper, limestone uranium, Mississippi-Valley type, sandstone uranium	
DIS041	Red Lake	?	1900s	Cu, Ag (Pb, Zn)	<1,000	—	Mississippi-Valley type	
<i>Grant County²</i>								
DIS042	Alum Mtn (Gila River, Alunogen, Copperas Creek)	1893	1945	meerschaum, kaolin, Au, Ag, alum (Cu, Pb, Zn, Ga)	<1,000,000	30 Ma	volcanic-epithermal, alunite	
DIS043	Bayard (Central, Groundhog, San Jose) ²	1858	1902-1969	Cu, Pb, Au, Ag, Zn, V, Fe, limestone (W, Mo, Te, Ba)	>60,000,000	—	Laramide vein, placer gold	
DIS044	Black Hawk (Bullard Peak)	1881	1881-1960	Au, Ag, Cu, Pb, F, W (Co, Ni, U, Bi, Mo, Ba, Zn)	>1,000,000	72.5 Ma, Recent	Laramide vein, placer tungsten, pegmatite	
DIS045	Bound Ranch (Langford Hills, Separ)		1900s	W, F (Au, U, Ba)	32,000-162,000	—	Laramide vein, fluorite veins	
DIS046	Burro Mtns (Tyrone)	1871 (earlier mining by Spanish and Indians)	1879-present	Au, Ag, Cu, Mo, Pb, Zn, F, W, Mn, Bi, U, turquoise (Te, Be, Fe)	>2,000,000,000	54.5 Ma (³⁰ Ar/ ²⁹ Ar, Phelps Dodge, unpublished data), Recent	placer gold, porphyry copper, Laramide vein, epithermal Mn, fluorite veins, pegmatite, tungsten veins, volcanic-epithermal vein	
DIS048	Cap Rock	1917	1917-1959	Mn, F	2,000	—	epithermal manganese, fluorite vein	
DIS049	Carpenter (Swartz, Schwartz)	1891	1891-1969	Au, Ag, Cu, Pb, Zn (F, W, Be, Ba, Nb, Ta)	1,360,000	41.6 Ma (K/Ar)	carbonate-hosted Pb-Zn, Cu-Pb-n skarn, pegmatite	
DIS050	Chloride Flat (Silver City, Boston Hill)	1870	1871-1946	Au, Ag, Cu, Pb, Mn, Fe	13,000,000	—	carbonate-hosted Ag-Mn	
DIS051	Copper Flat	1890	1927-1947	Cu, Au, Ag, Pb, Zn, Fe, limestone	>120,000	—	Pb-Zn-Cu skarn, sedimentary	
DIS052	Cora Miller	1880	1940-1941	Cu, Au, Ag, Pb (Mn)	<10,000	—	volcanic-epithermal	
DIS053	Eureka (Hachita)	1871	1878-1957	Au, Ag, Cu, Pb, W, Zn, As, turquoise (Be, Te, Bi, Mo, Ba, F, U)	1,590,000	71.4-34.7 Ma (³⁰ Ar/ ²⁹ Ar), Recent	Laramide vein, Pb-Zn-Cu skarn, placer gold, sandstone U	
DIS054	Fierro-Hanover ²	1850	1889-1980	Au, Ag, Cu, Pb, Zn, Fe, F, Mn, limestone (Ge,	>2,000,000,000	57.6 Ma (³⁰ Ar/ ²⁹ Ar, NMBMMR	Pb-Zn-Cu skarn, Laramide vein, porphyry copper,	

				Be, Bi, Cd, As, Mo)	unpublished data)		carbonate-hosted Mn, sedimentary
DIS055	Fleming ² (Bear Mtn)	1882	1882-1949	Cu, Au, Ag, Pb, Zn, Mn, F	320,000	—	Laramide vein, fluorite vein
DIS056	Georgetown ² (Mimbres)	1866	1866-1985	Ag, Pb, Au, Cu, Zn (Bi, F, Ba)	3,500,000	71 Ma (³⁰ Ar/ ²⁹ Ar)	carbonate-hosted Ag- Mn
DIS057	Gila Fluorspar (Brock Canyon)	1880	1880-1979	F (Ba, Au, Ag, Cu, U, Pb, Zn, Mo)	470,000- 2,350,000	—	volcanic-epithermal, fluorite vein
DIS058	Gold Hill (Camp Bobcat)	1884	1886-1941	Au, Ag, Cu, Pb, W, F, Be, REE (U, Th, Ta, Ba, Mn, Nb, Bi)	>200,000	—	Laramide vein, placer gold, epithermal Mn, pegmatite, Precambrian vein/replacement
DIS059	Lone Mtn ² (Mineral Mtn)	1871	1871-1950	Au, Ag, Pb, Mn, Cu, Fe, limestone	>30,000	51.5 Ma (K/Ar, unpublished data)	carbonate-hosted Ag- Mn, skarn, porphyry copper, sedimentary
DIS060	Malone	1884	1884-1961	Cu, Au, Ag, Pb, Zn, F (U, Bi)	300,000	—	Laramide vein, fluorite veins, placer gold
DIS061	Northern Cooke's Range	?	1948-1953	Ag, Pb, F (Zn)	630,000- 3,150,00	—	carbonate-hosted Pb- Zn, fluorite veins, RGR
DIS062	Piños Altos (Juniper Hill)	1800	1860-1957 1980s-1997	Cu, Au, Ag, Pb, Zn, Fe (W, In, Be, Ba)	>11,000,000	74.4 (K/Ar,)	Pb-Zn-Cu skarns, Laramide vein, placer gold
DIS063	Ricolite (Ash Creek)	?	1940s	Mn, F, ricolite (Fe, U)	150,000-800,000	—	dimension stone, epithermal Mn, fluorite veins, talc
DIS064	San Francisco (Potholes, Mule Creek)	1960	none	(Au, Ag, Mn, Sb, Mo, Cu)	0	Oligocene- Miocene	volcanic-epithermal
DIS065	Santa Rita ² (Chino)	1800 (earlier by Indians and Spanish)	1801-present	Cu, Au, Ag, Mo, Fe, limestone, HSO ₄ (Zn, Pb, Sb, Be)	>2,000,000,000	58.3 Ma (³⁰ Ar/ ²⁹ Ar, Phelps Dodge, unpublished data)	porphyry copper, Laramide skarns
DIS066	Steeple Rock (Carlisle, Hells Hole, Twin Peaks, Duncan, Goat Camp Springs, Bitter Creek)	1860	1880-1993	Au, Ag, Cu, Pb, Zn, F, Mn (Mo, clay, alunite, U, Be, Ba)	10,000,000	18-31 Ma	volcanic-epithermal, epithermal Mn, alunite, fluorite veins
DIS067	Telegraph (Red Rock, Anderson, Ash Creek, Wild Horse Mesa, Clarks Peak)	1881	1885-1951	F, Cu, Au, Ag, Pb, Zn, Mn (U, Th, Ba)	164,000-800,000	—	Laramide vein, volcanic-epithermal, Precambrian vein/ replacement, epithermal Mn, fluorite vein
DIS068	White Signal (Cow Spring)	1880	1880-1968	Cu, U, Au, Ag, Pb, Bi, F, Ra, garnet (Th, Zn, Nb, Ta, turquoise, Zn, Be, REE, Ba, mica)	100,000-230,000	—	Laramide vein, placer gold, pegmatites
<i>Guadalupe County</i>							
DIS069	Pastura (Guadalupe, Pintada, San Ignacio, Stauber)	1900	1916-1969	Cu, Ag, Au, Pb (U)	>2,750,000	Triassic	sedimentary-copper
DIS070	Santa Rosa	1900	1930-1939	Bituminous sand (U)	200,000	Permian	Sandstone uranium, sedimentary
<i>Harding County</i>							
DIS071	Bueyeros	?	none	(Au, U)	—	—	volcanic-epithermal,

DIS072	prospects Gallegos	?	none	(Cu, Au, Ag)	—	Triassic, Recent Jurassic	sandstone uranium sedimentary-copper, placer gold sedimentary-uranium
DIS073 <i>Hidalgo County</i>	Polita No. 2	1950s	1955	U, V	<1,000		
DIS074	Antelope Wells- Dog Mtns (Alamo Hueco)	1950	1954	Mn, guano (U)	<100	—	epithermal Mn, guano
DIS075	Apache No. 2 (Anderson, Hachita)	late 1870s	1880-1956	Au, Ag, Cu, Pb, Zn, Bi (W, Ge, Be, Mo, F)	107,000	27.1 Ma (K/Ar)	carbonate-hosted Pb- Zn, Cu-Pb-Zn skarn, Laramide vein
DIS076	Big Hatchet Mtns	1917	1917, 1919	Ag, Pb, Zn (Cu, gypsum)	2,000	—	carbonate-hosted Pb- Zn, gypsum, volcanic- epithermal vein
DIS077	Brockman	Early 1900s	1900-1999	silica	<1,000,000	—	sedimentary
DIS078	Fremont (extends into Luna County, NM and Mexico)	1860	1880-1951	Cu, Pb, Zn, Au, Ag, U, V (Bi, F, Ba)	17,000	—	volcanic-epithermal, carbonate-hosted Pb- Zn
DIS079	Gillespie (Red Hill)	1880	1905-1950	Au, Ag, Cu, Pb, F, Mn (W)	100,000	<33.5 Ma	volcanic-epithermal, epithermal Mn, RGR
DIS080	Granite Gap (San Simon)	1875	1897-1955	Cu, Pb, Zn, Au, Ag, W, Sb (Bi, Be, F, U, REE, As, Mo)	1,950,000	33.2 Ma (³⁰ Ar/ ²⁹ Ar)	carbonate-hosted Pb- Zn, Cu-Pb-Zn skarn, fluorite veins, pegmatite, tungsten skarns
DIS081	Kimball (Steins Pass)	1875	1875-1953	Cu, Au, Ag, Pb, Zn	500,000	—	volcanic-epithermal, epithermal Mn
DIS082	Lordsburg (Virginia, Pyramid Peak, Ralston, Shakespeare, Leitendorf)	1854	1870-1978, 1990-1999	Cu, Pb, Zn, Au, Ag, F, perlite, silica flux (Ge, Be, Mo, Ba, pumice)	>60,000,000	57-54 Ma, Recent	Laramide vein, placer gold, fluorite veins, perlite, pumice, volcanic-epithermal
DIS266	Lordsburg Mesa	1985	none	(U)	—	Tertiary	surficial uranium
DIS083	McGhee Peak	1894	1894-1956	Cu, Pb, Zn, Au, Ag	1,171,500	—	carbonate-hosted Pb- Zn, Pb-Zn-Cu skarns, porphyry copper, Laramide vein
DIS084	Muir	?	1940-1948, 1952	F, Ag, (Pb, Cu, Au, Sb, Mn)	90,000-400,000	—	epithermal Mn, fluorite veins, volcanic- epithermal
DIS085	Pratt	1902	1902-1999	Fire clay (F, Mn)	150,000-200,000	—	sedimentary
DIS086	Rincon (Animas)	1880	1940-1949	Cu, Au, Ag, Pb (F, Mn)	320,000	—	carbonate-hosted Pb- Zn, epithermal Mn, volcanic-epithermal
DIS087	Silver Tip (Bunk Robinson, Whitmore, Cottonwood Basin)	1930	none	(Au, Ag, Pb, Mo, Zn, Bi, Ba, F)	—	—	volcanic-epithermal
DIS088	Sylvanite	1871	1902-1957	Cu, Pb, Au, Ag, W, As (Sb, Te, Zn, Ge, Be, Mo, Bi, Ba, F)	315,000	32.3 Ma (³⁰ Ar/ ²⁹ Ar, NMBMMR data), Recent	Pb-Zn-Cu skarns, Laramide vein, placer gold
<i>Lincoln County</i>							
DIS089	Ancho	1900	1902-1922	Gypsum, fire clay	<10,000	Cretaceous, Recent	sedimentary
DIS090	Estey (Oscura)	1900	1900-1910	Cu, Ag (U)	<10,000	Permian	sedimentary-copper, sandstone uranium
DIS091	Capitan Mtns	1911	1960-1991	Fe, U, Mn, coal (Th, REE, Cu, Au, Ag)	500,000	34.0 Ma (K/Ar)	GPM
DIS092	Gallinas (Red)	1885	1909-1955	Au, Ag, Cu, F,	211,000-311,000	30.7 Ma	GPM, sedimentary-

	Cloud)			Fe, Zn, REE, Pb (U, Th, Mo)		(K/Ar), Recent	copper, placer gold
DIS093	Jicarilla (Ancho)	1850	1850-1957	Au, Ag, Fe, Cu, Pb (Zn, Mo, clay)	165,000	38.2 Ma (K/Ar), Recent	GPM, placer gold, sedimentary
DIS094	Macho (Hall)	1930s	1930s	Fe	<1,000	—	sedimentary iron
DIS095	Nogal-Bonito (Cedar Creek)	1865	1865-1942	Au, Ag, Cu, Pb, Zn (Mo)	300,000	25-38 Ma, Recent	GPM, placer gold, porphyry Mo(W)
DIS096	Schelerville (West Bonito)	Late 1800s	?	Au, Ag, Cu, Pb (Mo)	<10,000	—	GPM
DIS097	Sierra Blanca coal field	1882	1899-1958	Coal	1,438,483	Cretaceous	Coal, sedimentary
DIS098	Tecolote Hills	1900	1915-1919	Fe	24,000	—	GPM
DIS099	White Oaks (Lone Mtn)	1850	1850-1953	Au, Ag, Cu, Pb, W, Fe	3,100,000	29-36 Ma, Recent	GPM, placer gold
<i>Luna County</i>							
DIS100	Black Mountain	?	none	Basalt, scoria	1,000	Quaternary?	Igneous, scoria
DIS101	Burdick-Bisbee Hills	1950	1950-present	Quartz, agate	50,000	Tertiary	gems
DIS102	Camel Mtn- Eagle Nest (extends into Doña Ana County, Mexico)	?	none	(Au, Ag, Pb, Zn, F, Mn)	—	40-86.3 Ma ($^{30}\text{Ar}/^{29}\text{Ar}$, NMBMMR unpublished data)	volcanic-epithermal, carbonate-hosted Pb- Zn, carbonate-hosted Ag-Mn, Cu-Pb-Zn skarn
DIS103	Carrizalillo (Cedar Mtns, Stonewall)	late 1800s	late 1800s, 1930, 1948	Cu, Pb, Ag, Au, U, agate, geodes (Mn, W, Zn, Mo, perlite)	<1,000	—	volcanic-epithermal, RGR, carbonate-hosted Pb-Zn, sedimentary, igneous
DIS104	Cooke's Peak Manganese			Mn (F)	1,000	37.6±2 (whole rock, K/Ar)- 44.7±1.9 (biotite, K/Ar)	epithermal Mn
DIS105	Cooke's Peak (Jose)	1876	1876-1965	Cu, Au, Ag, Pb, Zn, F, Mn (U, Ba, Fe)	4,200,000	—	carbonate-hosted Pb- Zn, carbonate-hosted Mn, polymetallic veins, carbonate- hosted Pb-Zn, epithermal Mn, fluorite veins
DIS106	Florida Mtns	1876	1880-1956	Cu, Pb, Zn, Au, Ag, Mn, F, agate (Ba, Ge, Fe)	107,000	—	fluorite veins, epithermal Mn, carbonate-hosted Pb- Zn, polymetallic veins, RGR, volcanic- epithermal
DIS107	Fluorite Ridge	1907	1909-1954	F, Mn, agate (Ba, travertine)	930,000- 4,650,000	26.38±0.20, 27.16±0.19	RGR, epithermal Mn, fluorite veins, sedimentary, travertine
DIS108	Little Florida Mtns (Black Rock)	1915	1918-1951	Ba, F, Mn, agate, geodes, clay	210,000-780,000	<24.5 Ma	RGR?, epithermal Mn, volcanic-epithermal, fluorite veins, igneous
DIS109	Old Hadley (Graphic)	1880	1880-1929	Cu, Pb, Zn, Au, Ag (Ba, alunite)	<10,000	40.7 Ma (K/Ar)	volcanic-epithermal, alunite
DIS110	Red Mountain	?	none	(Mn, crushed stone)	none	Tertiary	Crushed stone, epithermal Mn
DIS111	Snake Hills	?	none	(Au, jasperoid)	—	?	carbonate-hosted Pb- Zn
DIS112	Taylor Mountain (Lucretia clay pit, Franklin)	1979	1979-2000	Fire clay, stone	185,000	?	Igneous, clay
DIS113	Tres Hermanas	1881	1885-1951	Cu, Pb, Zn, Au, Ag, Mn (U, W, Ge, Be, F, Fe, travertine)	600,000	34.6 Ma ($^{30}\text{Ar}/^{29}\text{Ar}$)	Cu-Pb-Zn skarn, polymetallic vein, carbonate-hosted Pb- Zn

DIS114	Victorio (Gage)	1870s	1880-1959	Cu, Pb, Zn, Au, Ag, W (Be, U, Fe, F, Mo)	2,330,700	35 Ma	carbonate-hosted Pb-Zn, W-Be contact-metasomatic deposits, porphyry Mo-W (?), polymetallic vein
<i>McKinley County</i>							
DIS115	Ambrosia Lake (Grants) ³	1951	1951-2000	U, V, Mo (Se)	4,000,000,000	Jurassic	sandstone uranium, limestone uranium, uraniferous collapse-breccia pipe sandstone uranium
DIS116	Chaco Canyon (Grants) ³	1960s	none	(U, V, Mo, Se)	—	Jurassic	sandstone uranium
DIS117	Church Rock-Crownpoint (Grants) ³ (Gallup)	1951	1952-1986	U, V, Mo (Se, Ti)	400,000,000	Jurassic, Cretaceous	sandstone uranium, limestone uranium, beach-placer sandstone
DIS118	Crownpoint Coal field	1905	1914-1951	Coal	20,758	Cretaceous	Coal, sedimentary
DIS119	Gallup coal field (Torriva anticline)	1881	1882-present	Coal, brick clay (U, Th, REE, Ti, Nb, Zr)	121,522,629,885	Cretaceous	Coal, sedimentary, beach placer
DIS120	Nose Rock (Grants) ³	1960s	none	(U, V, Mo, Se)	—	Jurassic	sandstone uranium
DIS121	San Mateo coal field	1905	1983-2001	Coal	1,678,742,326	Cretaceous	Coal, sedimentary
DIS122	Smith Lake (Grants) ³ (Black Jack, Mariano Lake)	1951	1951-1985	U, V, Mo (Se)	300,000,000	Jurassic	sandstone uranium, limestone uranium
DIS123	Twin Buttes	1900s	1900s-present	Basalt, scoria	10,000	Recent	Igneous, scoria
DIS124	Zuni coal field	1907	1908-1926	Coal	16,010	Cretaceous	Coal, sedimentary
<i>Mora County</i>							
DIS125	Coyote Creek (Guadalupita)	1847	1917-1956	Cu, Ag, U, Pb (Se)	1,000-2,000	Pennsylvani an-Permian	sedimentary-copper, Precambrian veins/ replacements, pegmatite, sandstone uranium
DIS126	Mora	1870	?	Au (Cu)	<1,000	Proterozoic, Recent	Precambrian veins/ replacements, placer gold
<i>Otero County</i>							
DIS127	Bent (Tularosa)	1900	1906-1957	Ag, Cu (U, Mo)	60,000	—	sedimentary-copper, Cu-Ag (U) veins
DIS128	Cornudas Mtns (Wind Mtn)	?	mid1990s	nepheline syenite (Ag, Be, Au, U, REE, Th, Nb)	—	36.3 Ma (⁴⁰ Ar/ ³⁹ Ar, NMBMMR unpublished data)	GPM
DIS255	Hueco Mtns	1950	none	Limestone (Cu, Ag, Zn, Au,)	—	34.5-34.7 Ma	GPM skarn, sedimentary
DIS129	Orogrande (Jarilla, Silver Hill, Jarilla Mountains)	1879	1879-1966	Au, Ag, Cu, Pb, W, Fe, turquoise (Zn, U, Mo)	2,000,000	42-48 Ma or younger, Recent	GPM, placer gold, porphyry copper
DIS130	Pajarito	1900s	1952	Fe (REE, Y, Zr, F)	100	1230-1140 Ma (K/Ar)	Disseminated Y-Zr deposits in alkaline rocks, REE-Th-U veins, replacement iron
DIS131	Sacramento (High Rolls)	1900	1904-1962	Cu, Pb, Au, Ag, Zn, limestone (U, PGE)	100,000	—	sedimentary-copper, Precambrian veins/ replacement, carbonate-hosted Ag-Mn
DIS132	Three Rivers (Apache No. 1, White Mtn)	1911	1943	Fe (Ba, Cu, Ag, Pb, Zn)	160	~45.3 Ma	GPM, replacement iron, volcanic-epithermal

DIS133	Tularosa (Coyote Creek)	1904	1906-1957	Cu, Ag, Pb (U, Fe, Mo)	<1,000	Permian	sedimentary-copper, replacement iron sedimentary	
DIS134	White Sands (Cogpler, Lake Lucero)	1900s	1900s–2000	Gypsum, salt (borax)	175,100	Recent		
<i>Quay County</i>								
DIS135	Logan	1950s	none	(Cu, Ag, U, Au)	—	Triassic	sedimentary-copper, sandstone uranium	
DIS136	Red Peak (San Jon)	1950s	1954-1956	U, V (Cu, Ag, Ba)	1,000	Triassic	sedimentary-copper, sandstone uranium	
DIS270	Tucumcari	1972	none	(U, V)	—	Jurassic	Sandstone uranium	
<i>Rio Arriba County</i>								
DIS137	Abiquiu (Chama Basin, Arroyo del Cobre)	1859 (probable early Spanish mining)	1954	U, V (Cu, Ag, Au)	<1,000	Jurassic, Cretaceous, Recent	sedimentary-copper, sandstone uranium, limestone uranium, placer gold	
DIS138	Box Canyon	1950	1955	U, V	2,000	Jurassic	limestone uranium	
DIS139	Bromide No. 2	1881	1881-1940	Au, Ag, Cu, U (Fe, REE, Th, F, Ba, Mo, Ni)	50,000	1750 Ma	Precambrian veins/ replacement, REE-Th veins	
DIS140	Chama Canyon	1911	none	(Cu, U, Ag)	—	Permian	sedimentary-copper	
DIS141	Coyote	1911	1956-1957	Ag, Cu, U, Pb	4,000	Jurassic, Permian	sedimentary-copper, limestone uranium, sandstone uranium	
DIS142	Cruces Basin	1900s	none	(Ag, Mn, Cu, Be)	—	—	volcanic-epithermal	
DIS143	El Rito (Vallecitos)	1933	1933	Au (F)	<1,000	—	placer gold, fluorite veins	
DIS144	Gallina (Youngsville, Mesa Alta, Arroyo del Aqua, San Pedro Mt)	1900s	1908, 1916, 1956	U, V, Cu, Ag, Pb, F (kaolinite)	1,000-2,000	Permian	sedimentary-copper, sandstone uranium, sedimentary	
DIS145	Hopewell (Headstone)	1880	1881-1940	Au, Ag, Cu, Pb (Zn, Fe)	300,000	~1467 Ma, Recent	Precambrian veins/ replacement, placer gold	
DIS172	Jemez pumice (Cullum, Copar, Esquire)	1950	1950-present	Pumice (perlite)	31,000,000	Quaternary	Pumice, perlite, igneous	
DIS146	Monero coal field	1882	1882-1970	Coal	5,277,552	Cretaceous	Coal, sedimentary	
DIS185	Nambe (Cordova- Truchas, Aspen Ranch)	1900			10,000	Nb, mica (Cu, Be)	pegmatite	
DIS147	Ojo Caliente	1900 (probable early Spanish mining)	1965	mica (Bi, Nb, REE)	<5,000	Proterozoic	pegmatite	
DIS148	Petaca (Las Tablas, Madera, Ojo Caliente)	1870	1870-1965	mica, Nb, Ta, Be, quartz, feldspar, kyanite, REE, U (Sn, Th, Cu, Bi, F, Mo)	900,000	Proterozoic	Pegmatite, Precambrian vein and replacement, sandstone uranium	
DIS149	Rio Chama (Abiquiu, Lumerton)	1848	1800s	Au	<4,000	Recent	placer gold	
DIS268	Eastern San Juan Basin	1957	none	(U)	—	Cretaceous	Sandstone uranium	
DIS263	Tierra Amarilla	1935	1944-1955	Coal	—	Cretaceous	Coal, sedimentary	
Sandoval County	DIS168	Cochiti (Bland)	1880	1894-1963	Ag, Au, Cu, Pb (U)	1,400,000	6.8-1.4 Ma	volcanic-epithermal

DIS169	Collins-Warm Springs	1950s	1957-1959	U, V	10,000	Jurassic	sandstone uranium
DIS170	Cuba manganese (Jicarilla Apache)	1940s	1942-1959	Mn (U)	4,000	—	epithermal Mn, limestone uranium
DIS267	Dennison Bunn	1979	none	(U, V)	—	Jurassic	sandstone uranium
DIS171	Hagan	1902	1904-1942	Coal (U, V, Se, Mo, clay)	348,306	Eocene-Oligocene	Coal, sedimentary, sandstone uranium, volcanic epithermal
DIS173	Jemez Springs	1849	1928-1937	Cu, Ag, Au, Pb (U, travertine)	4,000	Cretaceous	sedimentary-copper, sandstone uranium, travertine
DIS174	La Ventana	1884	1904-1983	U, V, coal, humate (Se)	2,600,000	Cretaceous	sandstone uranium, coal
DIS175	Mesa Portales	1950s	none	(U, V)	—	Cretaceous	sandstone uranium
DIS176	Nacimiento	1880	1880-1975	Cu, Ag, Au, Pb, Zn (U, V, Mn, travertine)	1,500,000	Multiple ages	sedimentary-copper, sandstone uranium, Precambrian veins/replacements, travertine
DIS177	Ojito Spring	1960s	none	(U, V)	—	—	sandstone uranium
DIS178	Placitas (Tejon, Bernalillo, New Placers, Sandia)	1860s (Spanish mining in 1500-1600s)	1904-1961	Cu, Ag, Au, Pb, Zn (Ba, F)	2,400	Multiple ages	RGR, sedimentary-copper, Precambrian veins/replacements, placer gold
DIS179	White Mesa	1950	1960-present	Gypsum	20,000,000	Jurassic	Sedimentary
<i>San Juan County</i>							
DIS257	Barker Creek	1882	1905	coal		Cretaceous	Coal, sedimentary
DIS150	Bisti coal field	1961	1980-1988	Coal	40,075,148	Cretaceous	Coal, sedimentary
DIS151	Boyd	1950s	1955	U, V	<1,000	Cretaceous	sandstone uranium
DIS152	Carrizo Mtns	1920s	1948-1967	U, V	4,000,000	Jurassic	sandstone uranium
DIS259	Chaco Canyon	1905	none	coal	—	Cretaceous	Coal, Sedimentary
DIS260	Chacra Mesa	1922	none	coal	—	Cretaceous	Coal, Sedimentary
DIS153	Chuska Mtns (Sanastee)	1950s	1952-1982	U, V (Ti, REE, Th, Y, Zr)	8,000,000	Jurassic, Cretaceous	sandstone uranium, limestone uranium, beach placer
DIS154	Farmington (Hogback)	1950s	1954	U, V (REE, Ti, Th, Fe, Nb, Zr)	<1,000	Cretaceous	beach placer, sandstone uranium
DIS261	Standing Rock	1934	1952-1958	coal	—	Cretaceous	Coal, Sedimentary
Dis160	Tocito Dome	1960s	none	(U,V)	—	Jurassic	sandstone uranium
DIS155	Fruitland coal field	1889	1889-present	Coal	3,137,957,050	Cretaceous	Coal, sedimentary
DIS156	Hogback coal field	1907	1907-1971	Coal	301,237	Cretaceous	Coal, sedimentary
DIS157	Navajo coal field	1933	1963-present	Coal	4,714,689,147	Cretaceous	Coal, sedimentary
DIS258	Newcomb	1955	none	coal	—	Cretaceous	Coal, Sedimentary
DIS158	Star Lake coal field	1907	None	Coal	—	Cretaceous	Coal, Sedimentary
DIS159	Toadlena	1950s	none	(U, V, Ti, REE, Th, Zr, Nb, coal)	—	Cretaceous	beach placer
DIS160	Tocito Dome	1960	none	(U, V)	—	Jurassic	Sandstone uranium
<i>San Miguel County</i>							
DIS162	Elk Mtn-Spring Mtn	1936	1940s	Mica, Ta, REE, U (Ag, Pb, Nb)	<10,000	Proterozoic	pegmatite, Precambrian veins/replacements
DIS161	El Porvenir	1916	1916	Mo (Cu, Ag, Au, Th, U, F, W, Bi, Ta, Nb, mica)	<1,000	Proterozoic, Pennsylvanian-Permian	sedimentary-copper, Precambrian veins/replacements, pegmatite
DIS163	Las Vegas	1883	1907-?	(Au, Cu)	<100,000 (?)	Recent	placer gold
DIS164	Rociada	1900	1945-1946	Li, mica, REE, Ta (Cu, Pb, Ag, Au, Zn, U, Mo, Be)	<1,000	<1720 Ma, Pennsylvanian-Permian	sedimentary-copper, Precambrian veins/replacements, VMS, pegmatite

DIS165	Sabinoso (Canyon Largo)	1950s	1956	U, V (Cu, Ag)	<1,000	Triassic	sedimentary-copper
DIS166	Tecolote (Villanueva, Mineral Hill, Rio de la Vaca)	1879	1900-1954	Cu, Pb, Ag, Au, Be, Ta, Nb, mica (U, V, REE, Mo)	<5,000	Proterozoic, Pennsylvani an-Permian	sedimentary-copper, Precambrian veins/ replacements, pegmatite
DIS167	Willow Creek (Pecos)	1883	1927-1944	Cu, Pb, Zn, Ag, Au	40,000,000	<1720 Ma, Recent	VMS, placer gold
<i>Santa Fe County</i>							
DIS180	Cerrillos (Los Cerrillos, Galisteo)	1680 (possibly as early as 1500)	1879-1957	turquoise, Cu, Pb, Au, Ag, Zn, clay (U, Mo, Fe)	2,620,000	48.2-28.7 Ma	GPM, placer gold, porphyry copper, volcanogenic uranium
DIS181	Cerrillos coal field	1835	1882-1962	coal	15,404,300	Cretaceous	Coal, sedimentary
DIS182	El Cuelvo Butte (Crow Butte)	1930s	none	(Pb, Ba, Ag)	—	—	RGR
DIS183	Glorieta (Kunklin)	1900	1900-1905	Cu, Ag, Pb, Fe (Au, V, U)	5,000	—	sedimentary-copper, sedimentary-iron, replacement iron, Precambrian veins/ replacements, sandstone uranium
DIS184	La Bajada (La Cienega, Cerrito, Santa Fe)	1900s	1914-1966	scoria, U, V, Cu, Ag, Mn (Zn, Te, Co, Ni, Mo)	310,000	<25.1 Ma	copper-silver (uranium) vein, epithermal Mn, igneous pegmatite
DIS185	Nambe (Aspen Ranch)	1900s		Nb, mica (Be, Cu)	<10,000	Proterozoic	
DIS186	New Placers (San Pedro)	1839	1839-1968	Au, Ag, Cu ,Pb, Zn, Mn, garnet (W, Mo, Fe)	5,750,000	<45.9 Ma	GPM, placer gold
DIS187	Old Placers (Ortiz, Dolores)	1828 (earlier by Spanish)	1828-1986	Au, Ag, Cu, Pb (W, Fe)	>4,000,000	26-34 Ma	GPM, placer gold, porphyry copper
DIS188	San Jose (Rio Arriba)	1950s	1957	U, V	<1,000	—	sandstone uranium
DIS189	Santa Fe (Doctor Creek, Jones Hill, Macho Canyon, Dalton Canyon, Mailleuchet)	1880s	1956-1957	Ag, Cu, Mn (Pb, Zn, W, Au, Mo)	<1,000	1710-1720 Ma, 1650- 1660 Ma	VMS, Precambrian vein/replacement, placer gold
<i>Sierra County</i>							
DIS190	Caballo Mtns (Palomas Gap, Red Hills, Apache Chief, Black Jack, Cox, Dakota, Hillside-Sierra, Illinois, Independence, Lincoln, Lydia- K, Oakland, Parker, Riverside, Sierrite, Sunset, Universal, Wild Horse)	1881	1909-1956	Cu, Pb, V, F, Mn, Au, Ag, Fe, Mo, U (Th, Ba, REE, Ti, Nb, W, PGE)	430,000- 1,750,000	Multiple ages	sedimentary-copper, RGR, Precambrian veins/replacements, Cu-Ag (U) veins, REE-Th-U veins in alkaline rocks, epithermal manganese, sedimentary iron, PGE
DIS191	Chloride (Black Range, Apache, Grafton, Phillipsburg) (Catron County)	1879	1879-present	Au, Ag, Cu, Pb, Zn, Sn, zeolite (F, Mo, Ba, Sb, gem)	20,000,000	25-27 Ma	volcanic-epithermal placer gold, Laramide skarn, placer tin, Sn veins, zeolites
DIS192	Cuchillo	1879		Ag, Cu, Pb, Zn,	205,000	48.8 Ma	carbonate-hosted Pb-

	(Cuchillo Negro, Chise, Iron Mtn, Limestone)			W, Fe, F, U (garnets, clay, Au, Mo, Be, Sn)		Zn, sedimentary- copper, replacement iron, placer tin, tin veins, Cu-Pb-Zn skarn, Mo-W-Be contact- metasomatic	
DIS265	Engle coal field	1905	1905-1909	coal	—	Cretaceous	
DIS193	Fra Cristobal Mtns	1685 (first mining claim in NM)	none	(Cu, Pb, Au, Ag, F, Ba, Mn, U)	—	RGR, epithermal Mn, sandstone uranium, sedimentary-copper	
DIS194	Goldsboro (Goldsborough, Argon Hill, Monticello) (Socorro County)	1900s		Au, Ag, U (Sb, Mo, Cu, Mn, Sn, V, F)	<10,000	Oligocene- Miocene	volcanic-epithermal, placer gold, placer tin
DIS195	Grandview- Sulfur Canyons	1896	1907-1920	Au, Ag, Cu, Bi, Zn, Pb, W, Fe (Mn, Mo)	<20,000	—	Precambrian vein and replacement, RGR, sedimentary copper
DIS196	Hermosa (Palomas)	1879	1879-1956	Ag, Au, Pb, Cu, Zn (Sb, Mo)	<2,000,000	>35 Ma	carbonate-hosted Ag- Mn, carbonate-hosted Pb-Zn
DIS197	Hillsboro (Las Animas, Copper Flat)	1877	1877-1982	Au, Ag, Pb, Zn, Cu, V, Mn (As, Te, Mo, W)	8,500,000	75 Ma	porphyry-copper, Laramide vein, Laramide skarn, placer gold, carbonate-hosted Ag-Mn, carbonate- hosted Pb-Zn,
DIS198	Hot Springs (Mud Springs, Iron Reef)	1930	1934-1954	Ag, Cu, Pb, Mn	70,000	—	porphyry Cu carbonate-hosted manganese replacement, carbonate-hosted Ag- Mn, copper-silver (uranium) vein
DIS199	Kingston (Black Range No. 2)	1880	1880-1957	Au, Ag, Cu, Pb, Zn, Mn (W, Sb)	6,600,000	>35 Ma	carbonate-hosted Pb- Zn, volcanic- epithermal, carbonate- hosted Ag-Mn replacement,
DIS200	Lake Valley	1878	1878-1957	Au, Ag, Mn, Pb, Cu, limestone (Mo, V, As, Ba, Sb)	5,400,000	>35 Ma	sedimentary-copper carbonate-hosted Ag- Mn
DIS201	Macho	1879	1879-1977	Au, Ag, Pb, Zn, Cu (V, Mn, Ba, Mo, alunite)	679,000	32-44 Ma	volcanic-epithermal, carbonate-hosted Ag, alunite placer gold
DIS202	Pittsburg (Shannon)	1901	1902-1968	Au, Ag	220,000	Recent	placer gold
DIS203	Salinas Peak (Good Fortune Creek, Bearden Canyon, Bear Den)	1655	1935-1948	Au, Ag, Cu, Pb, Zn, F (Mo, Bi, Ba)	<5,000	—	RGR, copper-silver (uranium) vein, replacement iron, sedimentary iron
DIS254	Salado Mts	1970	none	F	—		RGR, pegmatite, Precambrian vein and replacement
DIS204	Taylor Creek (Black Range) (Catron County)	1918	1919-1969	Sn, Mn (kaolin, alunite)	7,000-8,000	28 Ma	tin veins, placer tin, rhyolite-hosted tin, advanced argillic alteration, alunite, epithermal Mn, hydrothermal kaolin
DIS205	Tierra Blanca (Percha, Bromide No. 1)	1885	1885-1955, 1971-1972	Au, Ag, Cu, Pb, Zn, W (Te)	270,000	—	carbonate-hosted Ag- Mn, volcanic epithermal vein, sedimentary iron

Socorro County							
DIS206	Abbe Spring (Abbey, Springhill)	1870	1904	Ag, Cu, Pb (Ba, Zn)	<1,000	Oligocene-Miocene	volcanic-epithermal
DIS207	Bear Mountains	1983	none	(Cu, Ag, Sb, Zn)	0	Oligocene-Miocene	volcanic-epithermal
DIS208	Carthage coal field	1856	1861-1963	Coal, clay, limestone	4,823,000	Cretaceous	Coal, sedimentary
DIS209	Cat Mountain	1870	?	Au, Ag, Cu (U, F, Ba, W)	<1,000	Oligocene-Miocene	volcanic-epithermal
DIS210	Chupadera Mountains (Coyote Hill)	1900	none	(Au, Ag, Cu, Pb, Zn, Ba, U, Th, Nb, Ti, F)	0	—	Precambrian vein and replacement, carbonatite, REE-Th-U veins , volcanic-epithermal vein
DIS211	Chupadero (Minas de Chupadero)	1800	?	Ag, Cu (U, Ba, F, Pb)	<1,000	Pennsylvani an, 8.2 Ma	sedimentary-copper, RGR, Precambrian vein and replacement
DIS212	Council Rock (Iron Mountain, Ten Mile)	1881	?	Ag, Pb, Fe (Ba, Mn, F, Cu, Zn, U)	<1,000	Oligocene-Miocene	volcanic-epithermal
DIS213	Hansonburg (Bingham)	1872	1872-1957	Au, Ag, Cu, Pb, F, Ba, Fe (F, V, Mo)	1,700,000	6.36-5.98 Ma	RGR
DIS214	Hook Ranch-Riley	1950s	1954-1961	U, V (coal)	40,000	Cretaceous-Eocene	Sedimentary uranium, volcanic-epithermal vein, volcanogenic uranium
DIS215	Hop Canyon (Mill Canyon, Hope Canyon)	1880	1913-1941	Au, Ag, Cu, Pb (Zn, Ba, U)	<1,000	Oligocene-Miocene	volcanic-epithermal
DIS216	Jones Camp	1900	1942-1943	Fe	1,000	27.9 Ma	GPM
DIS217	Joyita Hills (Canyoncito, Dewey)	1880	1915	Ag, Pb, F (Cu, Ba)	<1,000	—	RGR, copper-silver (uranium) vein, sandstone uranium, volcanic-epithermal vein
DIS264	Jornada del Muerto	1910	1927	coal	—	Cretaceous	Coal, Sedimentary
DIS218	Ladron Mts	1868	?	U, V, Cu, Pb, F, Mn, Ag (Zn, Ba, W, Mo)	3,500	multiple	Supergene Cu-Ag (U) veins, volcanic-epithermal, Precambrian vein and replacement
DIS219	Lemitar	1880		Cu, Pb, Mn, Ba, Ag, U (F, Zn, Ti, Nb, REE, Th)	1,000	—	Carbonatite, Precambrian vein and replacement, RGR, REE-Th-U veins
DIS220	Luis Lopez	1910	1942-1958	Fe, Mn (Ag, Au, Zn, Pb, W, Ni, Co)	276,000	—	Epithermal manganese, volcanogenic uranium
DIS221	Magdalena	1866	1866-1970	Au, Ag, Zn, Pb, Cu, Mn (F, Ba, W, V, Mo)	>46,000,000	—	carbonate-hosted lead-zinc, epithermal vein
DIS222	Mockingbird Gap	1900	1934-1941	Ag, Pb, Ba, F (Cu, Zn)	4,000	—	Rio Grande Rift, Precambrian veins and replacements, copper-silver (uranium) veins
DIS223	North Magdalena (Silver Hill, Pueblo Springs, San Vicente)	1863	prior to 1957	Au, Ag, Pb, Ba, Cu (V, Zn)	<1,000	Oligocene-Miocene	volcanic-epithermal, carbonate-hosted Pb-Zn
DIS224	Rayo	1900s	1900s	Cu, Ag	<1,000	Permian	sedimentary-copper
DIS225	Rosedale (San Mateo Mountains)	1882	1882-1981	Au, Ag (F, U, Cu, Mn)	500,000	Oligocene-Miocene	volcanic-epithermal, placer gold
DIS226	San Jose	prior to	prior to 1946	Au, Ag, Cu, Pb,	40,000	Oligocene-	volcanic-epithermal,

	(Nogal, San Mateo, Rhyolite)	1900		Zn (Mo, alunite)		Miocene	advanced argillic alteration, alunite
DIS227	San Lorenzo (San Acacia, Jerome)	1901	1901	Cu, Ag (U, Au)	<1,000	Oligocene-Miocene	volcanic-epithermal, sandstone uranium, volcanogenic uranium
DIS228	Socorro	1950s	1955-1963	U, V (Cu)	70,000	Oligocene-Miocene	sandstone uranium, Cu-Ag (U) veins
DIS229	Socorro Peak (Encarnacion)	1867	1867-1900 (Ag), 1949-present (perlite)	Ag, Pb, kaolin, perlite (Ba, F, W, V, Au, As, Br, Mn, Mo)	11,000,000 (?)	10-12 Ma	volcanic-epithermal vein, perlite
DIS230	Taylor (Ojo Caliente No. 2)	1900s		Ag, Cu, Pb (Be, Au, Mn)	<1,000	Oligocene-Miocene	volcanic-epithermal
DIS231	Water Canyon	1868	1904-1956	Au, Ag, Cu, Pb (Zn, Mn)	10,000	Oligocene-Miocene	carbonate-hosted Pb-Zn, volcanic-epithermal vein
<i>Taos County</i>							
DIS232	La Cueva (Costillo Creek, Vermejo Park)	1950	none	(Au, Cu, U, Be, mica, Th, REE, Nb, graphite)	—	Proterozoic	Precambrian vein and replacement, pegmatite, REE-Th-U veins
DIS233	La Virgen	1826	none	(Cu, Ag, Pb, Zn, Au)	—	<1750 Ma	VMS
DIS234	M.I.C.A. (Peñasco)	1959 (probable early Pueblo production)	1959-2004	mica	9,000,000?	Precambrian	mica
DIS235	No Agua (San Antonio Mt)	1948	1950-present	Scoria, perlite	>10,000,000	Tertiary	igneous
DIS236	Picuris (Copper Hill, Harding)	1900	1902-1955	Au, Ag, Cu, W, turquoise, Nb, Ta, Be, Li, mica, Bi, feldspar (U, Sb, Cr, V, Ba, Sn, sillmanite, kyanite)	3,000	Proterozoic, Recent	Precambrian vein and replacement, placer gold, pegmatite
DIS237	Questa	1866	1918-present	Mo (Be, F, alunite)	>100,000,000		porphyry molybdenum (W), advanced argillic alteration
DIS238	Red River-Rio Hondo (Midnight, La Belle, Keystone, Anchor, Black Copper Canyon)	1826 (possible Spanish mining prior to 1680)	1867-1956	Au, Ag, Cu, Pb, Zn, U (Mo, F, Te, Be, alunite)	>100,000	—	volcanic-epithermal, placer gold, Precambrian vein and replacement, alunite
DIS239	Rio Grande Valley (Rio Colorado)	1600	1902-1935	Au	<20,000	Recent	placer gold
DIS240	Twining (Gold Hill, Rio Hondo)	1890	1880	Au, Ag, Cu (Mo, Pb, Zn, Bi)	<5,000	<1750 Ma	Precambrian vein and replacement, volcanic-massive sulfide
<i>Torrance County</i>							
DIS241	Chupadera Mesa (Mud Springs)	1900	?	Fe (Au, Cu)	<1,000	30.2 Ma	GPM
DIS242	Edgewood	?	?	Ba (F, Pb, Ag)	<1,000	—	RGR
DIS243	Estancia salt lake	1660	1660-1920s	salt	<1,000	Recent	Evaporate, salt
DIS256	Lobo Hill	1980	1990-present	Aggregate (REE, U, Th, Cu, Nb, Y)	<10,000	518 Ma	carbonatite, REE-Th-U veins, aggregate
DIS244	Manzano Mtns	?	none	(Cu, Au, Ag, Pb, gem, talc)	—	Proterozoic	Precambrian vein and replacement, VMS,

DIS245	Pederal Hills	?	none	(Cu, Ag, Au, U, Th, REE, Fe)	—	Multiple, Precambrian are 1660-1650 Ma, REE are 469 Ma	Permian	sedimentary copper, talc, volcanic-epithermal vein
DIS246	Scholle (Socorro County)	1900s	1915-1961	Au, Ag, Cu, Ra, Pb (U,V)	300,000	Precambrian vein/replacement, VMS, REE-Th-U veins	Precambrian vein and replacement, sandstone	Precambrian vein and replacement, sandstone
<i>Union County</i>								
DIS247	Black Mesa (Cimarron Valley)	1900	1956	Ag, Cu (U,V)	<500	Triassic	sedimentary-copper, uraniferous collapse-breccia pipe, sandstone	uranium
DIS248	Folsom	1903	early 1900s	Scoria, Au	>10,000,000	Recent	placer gold, scoria	
DIS269	Northeastern Union County	1958	none	U	—	Jurassic	Limestone uranium	
DIS249	Peacock Canyon	?	none	(Cu, U, Ag, Au)	—	Triassic	sedimentary-copper	
<i>Valencia County</i>								
DIS250	Hell Canyon (Torrance County)	1880	1880-1976	Au, Ag, Cu, Mo	350,000	Proterozoic, Recent	Precambrian veins and replacements, VMS, placer gold,	
DIS251	Mesa Aparejo	1950	1961-present	travertine	>1,000,000	Triassic	sedimentary	
DIS252	Romero Ranch (Rio Purco)	1929	1929-1956	Cu, Ag (U)	3,000		sedimentary-copper	

¹Black Mtn is now restricted in this report to include only Rio Grande rift deposits in the Black Mountain area. North and McLemore (1986) and McLemore (1994b) included the description for Mineral Hill (Precambrian veins and replacement deposits) as part of the Black Mountain district. However, the gold production from Mineral Hill was credited to the Organ Mountains district. The veins at Mineral Hill are now classified as epithermal/mesothermal veins and are included as part of the Organ Mountains district.

²The Central mining district is not used in this report. Historically, it refers to all or part of the Bayard, Chloride Flat, Fierro-Hanover, Fleming, Georgetown, Lone Mountain, Piños Altos, Santa Rita, and Silver City mining districts.

³The Grants uranium district is one large district that consists of eight subdistricts (McLemore and Chenoweth, 1989). The subdistricts are listed separately in this report.

APPENDIX 2

Symbol

As—arsenic	Fe—iron	Sb—antimony
Au—gold	Ga—gallium	Sn—tin
Ba—barium	Ge—germanium	Te—tellurium
Be—beryllium	Mn—manganese	Th—thorium
Bi—bismuth	Mo—molybdenum	U—uranium
Co—cobalt	Ni—nickel	V—vanadium
Cu—copper	Pb—lead	W—tungsten
F—fluorine	REE—rare-earth elements	Zn—zinc